Biography, 317. Biology, 229, 262, 347, 376. Biometrics, 323. Boron, 97. Botany, 10, 77, 81, 211, 262.

Caroline Islands, 141. Chemistry, 3, 24, 41, 97. 157, 181, 185, 189, 199, 220. Coca, 81. Coffee, 185.

Darwin, 178.

ue, 127.

n They Be

ral Food

V. E. Ste-

Klotz, 24.

y W. E.

s, 122.

1, 141.

by H. R.

al Reha-

Murphy,

Radio-

yn, 365. Pacific

rg, 352.

Bradley,

by W

wer, by

tierrez-

Dyster,

tcher,

F. B.

8.

ILY

06.

row, 211.

, 90.

Ecology, 73, 295.
Economics, 66, 90, 116, 122, 141, 189, 199, 267, 306.
Education, 3, 19, 195.
Electrophoretic analysis of plant virus proteins, 347.
Entomology, 172.
Eros, 404.
Ethnography, 73, 141.

Food flavor, 199. Forestry, 328.

Genetics, 10, 211. Geography, 306. Geophysics, 358. Gilbert, William, 254. Gobbledygook, 111. Gorillas, 48. Grassland, 295. Gulf Stream, 242.

Heterotroph hypothesis, 178.
Histology, 229.
History of science, 3, 49, 73, 81, 105, 141, 185, 211, 242, 254, 295, 306, 390.
Hybrid corn, 10.
Hybridity, 10, 328.
Hyperspecialization, 323.

Indians, American, 34. Indians, Andean, 306. International Nickel Company, 127. Ion exchange, 189.

Kinsey Report, 279. Kure Beach Corrosion Testing Station, 127.

Magnetism, 254.
Manpower, 165.
Medicine, preventive, 195.
Medicine, tropical, 172.
Metallurgy, 365.
Micronutrients, 97, 180.
Minerals, 267.
Monosodium glutamate, 199.

Nutrition, human, 199. Nutrition, plant, 97, 180.

Oceanography, 242. Osborn, Henry Fairfield, 317. Oysters, 105.

Paleontology, 172.

Persian Gulf, 58.
Peru, 81, 306.
Petroleum, 122.
Pharmacology, 81.
Photoperiodism, 262.
Planned economy, 90.
Plant nutrition, 97, 180.
Plant pathology, 97, 180, 347.
Plants, flowering of, 262.
Polyploidy, 211.
Ponape, 141.
Potash, 41.
Protein molecules, 24.
Psychology, 34, 270.
Public health, 195.

Radionuclides, 365.
Reactors, 395.
Research, methods of, 3, 19, 127, 229, 233, 299, 323, 332.
Reservoir mechanics, 122
Rubber, 220.

Salt, 157.
Science and ethics, 299
Science and literature, 352.
Science, history of, 3, 49, 73, 81, 105, 141, 185, 211, 242, 254, 295, 306, 390.
Science in Russia, 390.
Science, philosophy of, 19, 90, 111, 151, 178, 233, 352, Science writing, 111.
Sea water, desalting, 189.
Sex, 279.
Sexual Behavior in the Human Male, 279.
Soap, 220.
Social science, 299.

Social, Science, 299.
Social, 68.
Soybeans, 116.
Starvation experiments. 270.
Strontium, 267.

Technology, 122. Travel, 151.

Zinc, 180. Zoology, 48, 58, 181.

Contributors Bascom, W. R.: Ponape: The Cycle of Empire, 141.

Bonner, J., and S. G. Wildman: The Electrophoretic Detection of Plant Virus Proteins, 347.

Bowman, R. G.: Desert Reclamation in South Australia, 68.

Bradley, K.: Scientific Research in Britain's Colonies, 332.

Brožek, J.: Psychology of Human Starvation and Nutritional Rehabilitation, 270: The Current Five-Year

CALDWELL, W. E., and G. H. WATERMAN: A Northwest Strontium Mireral Deposit, 267. CARTER, G. F.: Ecology—Geography—Ethnobotany, 73. CRANE, H. R.: Principles and Problems of Biological Growth, 376.

Plan of Soviet Science in Historical Perspective, 390.

DARROW, G. M.: Polyploidy in Fruit Improvement, 211. DE BRUYN, P. L., and A. M. GAUDIN: Research Studies

in Mineral Engineering Using Radionuclides, 365.

DUFRENOY, M.-L., and J.: Coffee, the "Exotick Drug,"
185.

ELIAS, H.: Discovery by Illustration, 229.
ELKINS, L. E.: Petroleum Reservoir Mechanics, 122,
ERDMAN, D. S.: Fishing in Arabia, 58.
ERNST, M. L.: The Kinsey Report and the Law, 279.

FLETCHER, M. I.: World Soybean Production in 1948,

GASSMANN, F.: A Survey of Geophysics, 358.
GAUDIN, A. M., and P. L. DE BRUYN: Research Studies in Mineral Engineering Using Radionuclides, 365.

GLICKSBERG, C. I.: Science and the Literary Mind, 352. GREGG, A.: Travel and Its Meaning, 151.

GUTIERREZ-NORIEGA, C., and V. W. VON HAGEN: The Strange Case of the Coca Leaf, 81.

GUTTMACHER, M. S.: The Kinsey Report and Society, 291.

HARDIN, G.: Darwin and the Heterotroph Hypothesis, 178.

HARKINS, W. D.: Soap Solutions: Salt, Alcohol, Micelles, Rubber, 220.

HERGET, P.: Eros, An Important Minor Planet, 404.

КLOTZ, I. M.: The Nature of Protein Complexes, 24.

LANGMUIR, I.: Atomic Hydrogen as an Aid to Industrial Research, 3.

LAQUE, F. L.: Making the Ocean a Test Tube, 127.
LINTON, R.: An Anthropologist Views the Kinsey Report, 282.

LOFTUS, J. E.: Some Observations on the Economics of Atomic Power, 396.

LUNDBERG, G. A.: Alleged Obstacles to Social Science, 299.

MALIN, J. C.: Ecology and History, 295.

MELNICK, D.: Monosodium Glutamate—Improver of Natural Food Flavors, 199.

MURDOCK, G. P.: Comments on Dr. Linton's Paper, 285.

MURPHY, R. C.: Reminiscences of Professor Osborn,

317.

Murphy, W. J.: Roger Adams, President of the AAAS for 1950, 30.

NACHOD, F. C.: Ion Exchange, 189.

NAGEL, E.: The Methods of Science: What Are They? Can They Be Taught? 19.

Newcombe, C. L.: Treasures in Troubled Waters: The Plight of the Oyster, 105.

PARRY, H. J.: The Kinsey Report and Opinion and Attitude Research, 286.

PAUL, J. R.: Preventive Medicine, 195.

PHILLIPS, W.: Further African Studies, 172. Powers, P. N.: The Changing Manpower Picture, 165.

RAFFERTY, J. A.: Combinationalism versus Theorism, 323.

STEVENS, N. E.: The Moral Obligation to be Intelligible, 111.

STOECKELER, J. H.: Bigger and Better Forest Trees for Sweden, 328.

Darwin

Davis,

Paul

west

Death

Deran

Doher

Dunca

Edge

Einste.

Eleme

Fabre,

arme

Farrin

Ind

ben

Opp

Hu

Gertso

Giant Ber

Godb

non

Goeth

Green

Hale,

Harra

Herm enc

Histor

Hogb

India

In Se

Inseci

Intro

Invas

Jame:

Jane'

Jean,

Lang

Lee,

Levir Ley,

Life

Lilier

June

340

Lo

by

Th

40€

nal

134

Lo

Found

From

Sch

Mat

Web

Cey

STOMMEL, H.: The Gulf Stream, 242.

STRUCKMEYER, B. E.: Biology of Flowering in Plants, 262.

SUTER, R.: Dr. William Gilbert of Colchester, 254.

THOMPSON, L.: Action Research Among American Indians, 34.

THORNE, D. W., and F. B. WANN: Zinc Deficiency of Plants in the Western States, 180.

Turrentine, J. W.: The American Potash Industry, 41.

VAN CLEAVE, H. J.: The Development of a Research

Interest, 233. VINGE, C. L.: Benchmark, 66.

Von Hagen, V. W., and C. Gutierrez-Noriega: The Strange Case of the Coca Leaf, 81.

WANN, F. B., and D. W. THORNE: Zinc Deficiency of Plants in the Western States, 180.

WATERMAN, G. H., and W. E. CALDWELL: A Northwest Strontium Mineral Deposit, 267.

WHALEY, W. G.: The Gifts of Hybridity, 10.

WHITE, C. L.: Storm Clouds Over the Andes, 306. WILCOX, W. G.: Salt Production, 157.

WILDMAN, S. G., and J. BONNER: The Electrophoretic

Detection of Plant Virus Proteins, 347.

WILLIAMS, E.: The Morality of the Machine, 90.

WILLIAMS, D. P., The Covilla, Lagreet Living Polymer Processing P

Willoughby, D. P.: The Gorilla—Largest Living Primate, 48.

WOODBRIDGE, C. G.: The Role of Boron in the Agricultural Regions of the Pacific Northwest, 97.

Books Reviewed

Abbott, Mabel: The Life of William T. Davis, 336. Alchemists, The, by F. Sherwood Taylor, 133. American Spiders, by Willis J. Gertsch, 136. Audubon, John James: Birds of America, 344.

Babkin, B. P.: Pavlov, A Biography, 338. Bacon, Francis: Philosopher of Industrial Science, by Benjamin Farrington, 335.

Baker, Richard St. Barbe: Green Glory, 71. Beebe, William: Edge of the Jungle, 407.

Berkeley, Edmund C.: Giant Brains, or Machines that Think, 342.

Bernard, Claude: An Introduction to the Study of Experimental Medicine, 406.

Biologie der Goethezeit. Adolf Meyer-Abich, Ed., 338. Birds of America, by John James Audubon, 344.

Bloom, William: Histopathology of Irradiation from External and Internal Sources, 72.

Brannon, Clarence H.: Allen H. Godbey, A Biography, 337.

Cancer, by Beka Doherty, 208.
Clark, Andrew Hill: The Invasion of New Zealand by People, Plants and Animals, 343.
Conquest of Space, The, by Willy Ley, 71.
Cooper, Peter, by Edward C. Mack, 207.
Count, Earl: This is Race, 408.

Dale, Edward Everett: The Indians of the Southwest, 406.

Darlington, C. D., and K. Mather: The Elements of Genetics, 133.

Darwin, Charles. The Naturalist as a Cultural Force, by Paul B. Sears, 336.

Davis, Robert Tyler: Native Arts of the Pacific North-

west, 339.

Trees for

Plants,

ican In-

iency of

stry, 41.

esearch

: The

ncy of

thwest

5.

oretic

Pri-

ricul-

6.

by

hat

Ex-

38.

177

254.

Death of a Science in Russia. Conway Zirkle, Ed. 207. Deraniyagala, P. E. P.: Some Vertebrate Animals of Ceylon, 210.

Doherty, Beka: Cancer, 208.

Duncan, Winifred: Webs in the Wind: The Habits of Web-Weaving Spiders, 209.

Edge of the Jungle, by William Beebe, 407.

Einstein, Albert, Philosopher and Scientist. Paul Arthur Schilpp, Ed., 337.

Elements of Genetics, The, by C. D. Darlington and K. Mather, 133.

Fabre, J. Henri: The Insect World, 70.

Farmer Victorious, by William J. Hale, 136.

Farrington, Benjamin: Francis Bacon: Philosopher of Industrial Science, 335.

From Cave Painting to Comic Strip, by Lancelot Hog-

Foundations for World Order, by E. L. Woodward, J. R. Oppenheimer, E. H. Carr, W. E. Rappard, R. M. Hutchins, F. B. Sayre, E. M. Earle, 72.

Gertsch, Willis J.: American Spiders, 136.

Giant Brains, or Machines that Think, by Edmund C. Berkeley, 342.

Godbey, Allen H., A Biography, by Clarence H. Brannon, 337.

Goethe as a Scientist, by Rudolf Magnus, 335. Green Glory, by Richard St. Barbe Baker, 71.

Hale, William J.: Farmer Victorious, 136.

Harrah, Ezra Clarence, Frank Covert Jean, and Fred Louis Herman: Man and His Physical Universe, 206. Herman, Fred Louis, Frank Covert Jean, and Ezra Clarence Harrah: Man and His Physical Universe, 206. Histopathology of Irradiation from External and Internal Sources. William Bloom, Ed., 72

Hogben, Lancelot: From Cave Painting to Comic Strip,

Indians of the Southwest, The, by Edward Everett Dale,

In Search of the Miraculous, by P. D. Ouspensky, 277. Insect World, The, by J. Henri Fabre, 70.

Introduction to the Study of Experimental Medicine, An, by Claude Bernard, 406.

Invasion of New Zealand by People, Plants and Animals, The, by Andrew Hill Clark, 343.

James, Glenn, and Robert C. James: Mathematics Dictionary, 407.

Jane's Fighting Ships. F. E. McMurtrie, Ed., 344.

Jean, Frank Covert, Ezra Clarence Harrah, and Fred Louis Herman: Man and His Physical Universe, 206.

Langmuir, Irving: Phenomena, Atoms and Molecules,

Lee, Oliver Justin: Measuring our Universe, 276. Levinson, Horace C.: The Science of Chance, 341.

Ley, Willy: The Conquest of Space, 71.

Life of William T. Davis, The, by Mabel Abbott, 336. Lilienthal, David E.: This I Do Believe, 137.

Mack, Edward C .: Peter Cooper, 207.

McMurtrie, F. E.: Jane's Fighting Ships, 344. Magnus, Rudolf: Goethe as a Scientist, 335.

Man and His Physical Universe, by Frank Covert Jean, Ezra Clarence Harrah, and Fred Louis Herman, 206. Mathematics Dictionary. Glenn James and Robert C. James, Eds., 407.

Mather, K., and C. D. Darlington, The Elements of Genetics, 133.

Measuring our Universe, by Oliver Justin Lee, 276.

Mégroz, R. L.: Profile Art, 134.

Merchant Ships. E. C. Talbot-Booth, Ed., 340.

Meyer-Abich, Adolf: Biologie der Goethezeit, 338. Moller, C., and Ebbe Rasmussen: The World and the Atom, 275.

Munsterberg, Hugo: A Short History of Chinese Art, 339.

Murray, Margaret A.: The Splendour That Was Egypt,

Native Arts of the Pacific Northwest, by Robert Tyler Davis, 339.

Origin of Medical Terms, The, by Henry Alan Skinner, 276.

Ouspensky, P. D.: In Search of the Miraculous, 277.

Patent Tactics and Law, by Roger Sherman, 342.

Pauli, Wolfgang F.: The World of Life, 206.

Pavlov, A Biography, by B. P. Babkin, 338. Phenomena, Atoms and Molecules, by Irving Langmuir,

Profile Art, by R. L. Mégroz, 134.

Rapoport, Anatol: Science and the Goals of Man, 341. Rasmussen, Ebbe, and C. Møller: The World and the Atom, 275.

Rehabilitation of the Handicapped, by William H. Soden, 70.

Sandhill Cranes, The, by Lawrence H. Walkinshaw, 344. Schilpp, Paul Arthur: Albert Einstein, Philosopher and

Science and the Goals of Man, by Anatol Rapoport, 341. Science of Chance, The, by Horace C. Levinson, 341. Science of Culture, The. A Study of Man and Civiliza-

tion, by Leslie A. White, 208.

Science of Flight, The, by O. G. Sutton, 344. Sears, Paul B.: Charles Darwin. The Naturalist as a Cultural Force, 336.

Sea Shore, The, by C. M. Yonge, 135.

Sherman, Roger: Patent Tactics and Law, 342.

Short History of Chinese Art, A, by Hugo Munsterberg,

Short History of Science and Scientific Thought, A, by F. Sherwood Taylor, 136.

Skinner, Henry Alan: The Origin of Medical Terms,

Snakes, by Herbert S. Zim, 136.

Soden, William H .: Rehabilitation of the Handicapped,

Some Vertebrate Animals of Ceylon, by P. E. P. Deraniyagala, 210.

Splendour That Was Egypt, The, by Margaret A. Murray, 275.

Sutton, O. G.: The Science of Flight, 344.

Talbot-Booth, E. C.: Merchant Ships, 340.

Taylor, F. Sherwood: The Alchemists, 133; A Short History of Science and Scientific Thought, 136.
This I Do Believe, by David E. Lilienthal, 137.
This is Race, by Earl Count, Ed., 408.

Walkinshaw, Lawrence H.: The Sandhill Cranes, 344. Webs in the Wind: The Habits of Web-Weaving Spiders, by Winifred Duncan, 209.

White, Leslie A.: The Science of Culture. A Study of Man and Civilization, 208.

Woodward, Ernest Llewellyn, and others: Foundations for World Order, 72.

World and the Atom, The, by C. Møller and Ebbe Rasmussen, 275.
World of Life, The, by Wolfgang F. Pauli, 206.

Yonge, C. M.: The Sea Shore, 135.

Zim, Herbert S.: Snakes, 136. Zirkle, Conway: Death of a Science in Russia, 207.

Reviewers

ABBOTT, R. TUCKER: 135.

Bell, E. T.: 342. Benjamin, A. Cornelius: 137. Briggs, W. Paul: 133.

CHAPIN, EDWARD A.: 136. CLEPPER, HENRY: 71. COURT, N. A.: 407.

DE LAGUNA, FREDERICA: 339. DOBZHANSKY, TH.: 133. DRAPER, GLEN H.: 277.

FRIEDMANN, HERBERT: 344.

GAMOW, G.: 340. GARDNER, THOMAS S.: 71. GELB, I. J.: 275. GERARD, R. W.: 206. GRANT, CHAPMAN: 136, 210.

HEDGPETH, JOEL W.: 336. HEYL, PAUL R.: 136, 206, 276, 337. HILGARD, ERNEST R.: 338. HSU, FRANCIS L. K.: 339.

JAFFE, ABRAM J.: 72. JUST, CAROLYN ROYALL: 342.

KROGMAN, WILTON MARION: 408.

LAWRENCE, W. R.: 340. LEBLOND, C. P.: 72. LEHNER, GEORGE F. J.: 341.

McMillan, Wheeler: 136.

MANN, WILLIAM M.: 336, 407. MILNE, LORUS J., and MARGERY J.: 70. MURPHY, R. C.: 343.

NORMAN, RALPH D.: 70.

OEHSER, GRACE E.: 134. OEHSER, PAUL H.: 335.

PREBLE, EDWARD A.: 209.

REICHARD, GLADYS A.: 406.

SCHERR, JULIAN M.: 406.
SHIMKIN, MICHAEL B.: 208.
SNYDER, MARJORIE B.: 207.
SOULE, MALCOLM H.: 276.
STEWARD, JULIAN H.: 208.
STRAND, A. L.: 207.
SUTER, RUFUS: 338.

Weaver, Warren: 341. Wing, M. W.: 337.

ZIRKLE, CONWAY: 277.

Verse

BARKER, EDNA L. S.: Mirage, 322. D'AURIA, GEMMA: The Moon, 395.

HARRIS, LOUISE DYER: They'll Give a Lovely Light, 346 HIRSH, JOSEPH: Bewildered Inheritor, 171.

REID, AUGUSTA TOWNER: Thirst Unanswered, 298.

Correspondence

ESPENSCHIED, LLOYD: History of Magnetism, 409.

HARRIS, LOUISE DYER: They'll Give a Lovely Light, 346.

McConnell, R. A.: Probabilities, 138.

McCulloch, Warren S.: Those Giant Machines, 140.

NORTON, JAMES A.: Perversion of Values, 346.

PADGETT, JOSEPH E.: Machines and Men, 278.
PFEIFFER, JOHN: Those Giant Machines, 140.
PIJPER, ADRIANUS: Pygmies, Bushmen, and the Meaning of Travel, 409.

SCHILPP, PAUL A.: Machines and Men, 278.

THOMPSON, LAURA: Action Research, 345. THORP, JAMES: Earthworms Again, 140. TOEMAN, Z.: Action Research, 345.

WEAVER, WARREN: Probabilities, 138.



S

ht 346

98.

09.

Light,

s, 140,

eaning

THLY